Lenovo® V470 (4396) - Integrated (Windows 7) - web only models

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue-tooth	Battery	Win7 preload
4396-27U	i7-2630QM	2.00	2.90	4+2GB	14.0" HD	LED	2.0M	Intel HD	750GB[8]	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
4396-28U	i3-2310M	2.10		2GBx2	14.0" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64

- ***14.0" widescreen, glossy display with LED backlight***
- ***Integrated 2.0 megapixel camera***
- ***Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows***
- ***Fingerprint reader for easy and secure login***
- ***BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password***
- ***USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology
Memory	8GB max[7]; **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**500GB** (5400 rpm) or **750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™
Widescreen display	**14.0"** (355.6mm) **HD** (WXGA 1366x768) **TFT color**, **VibrantView** (glossy); **LED backlight**, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** in processor, uses system memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	Full-size keyboard, 6-row, recovery key
Touch controls	None
Light sensor	None
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 13.4" x 9.2" x 0.8" to 1.2"; 340mm x 234.6mm x 20.7mm to 31.3mm
Weight[2]	with optical drive and battery: *6-cell:* 4.85 lb (2.2 kg)
Case color	Black top, black bottom
Case material	*Top and palm rest:* Aluminum *Bottom:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	Up to 5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	Two PCIe Mini Card slots
Intel 1000	11b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	Gigabit ethernet, RealTek® RTL8111E, PCIe x1
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)
Security	Power-on password, hard disk password, administrator password, security lockhole
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Windows Live Essential
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)
- Lenovo Security Suite
- USB Port Locker
- BioExcess

Dual-core models: 65-watt AC adapter
Quad-core models: 90-watt AC adapter
Wireless on/off switch
EPEAT™ Silver rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options (in eligible locations):**[9]
  - **1-year Lenovo Onsite Repair**[13] 78Y1532
  - **1-year Onsite with accidental damage protection** 78Y1533
  - **2-year Lenovo Onsite Repair**[13] 78Y1536
  - **3-year Lenovo Depot Repair** 78Y1538
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US models announced June 8, 2011

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Lenovo® V470 (4396) - NVIDIA (Windows 7) - web only models

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue-tooth	Battery	Win7 preload
4396-25U	i5-2410M	2.30	2.90	2GBx2	14.0" HD	LED	2.0M	GT 525M	500GB[8]	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
4396-26U	i5-2410M	2.30	2.90	4+2GB	14.0" HD	LED	2.0M	GT 525M	750GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64

- ***14.0" widescreen, glossy display with LED backlight***
- ***Integrated 2.0 megapixel camera***
- ***Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows***
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- ***USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology
Memory	8GB max[7]; **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**500GB** (5400 rpm) or **750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™
Widescreen display	**14.0"** (355.6mm) **HD** (WXGA 1366x768) **TFT color**, **VibrantView** (glossy); **LED backlight**, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 3000** in processor, and **NVIDIA GeForce® GT 525M**, PCI Express® x16, **1GB** DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, external monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	Full-size keyboard, 6-row, recovery key
Touch controls	None
Light sensor	None
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 13.4" x 9.2" x 0.8" to 1.2"; 340mm x 234.6mm x 20.7mm to 31.3mm
Weight[2]	with optical drive and battery: *6-cell:* 4.85 lb (2.2 kg)
Case color	Black top, black bottom
Case material	*Top and palm rest:* Aluminum *Bottom:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	Up to 5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	Two PCIe Mini Card slots
Intel 1000	11b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	Gigabit ethernet, RealTek® RTL8111E, PCIe x1
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- Lenovo Security Suite
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90-watt AC adapter
Wireless on/off switch
Graphic Optimus/Integrated switch
EPEAT™ Silver rating
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